

ABSTRACT OF THE DISCLOSURE

A carbon fabric of high conductivity and high density is formed of oxidized fibers of polypropylene. The oxidized fibers have a carbon content at least 50wt%, an oxygen content at least 4wt%, and a limiting oxygen index at least 35%. The carbon 5 fabric is made by preparing a raw fabric obtained from oxidized fibers of polypropylene by weaving and then carbonizing the raw fabric.